

# LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

573-751-4041

## Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO

KASTEN CLAY PRODUCTS, INC.

Pursuant to "The Land Reclamation Act," RSMo. 2001, and on conformity with the statements

In the application, a permit is hereby granted to engage in surface mining of

clay in the state of Missouri. The extent of the

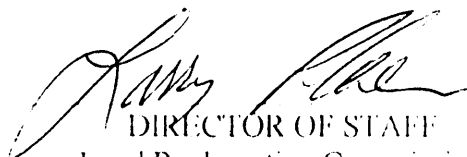
Proposed mining operation(s) will be on nine acres, more or less.

The locations of the operation(s) under this permit is/are as follows: **Renewal**

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Cape Girardeau	12	31N	12E	9	0	9	Site #1	0275

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo. 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this 29th day of January 2004

  
DIRECTOR OF STAFF  
Land Reclamation Commission

Permit No. 0183  
Effective Date 02/16/2004  
Expiration Date 02/15/2005  
MO 780-1122 (6-95)

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MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION

## PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES

MISSOURI LAND RECLAMATION COMMISSION  
P.O. BOX 176  
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL <b>Kasten Clay Products, Inc.</b>		DATE <b>1-7-04</b>	
ADDRESS <b>713 Kasten Dr. - P.O. Box 468</b>	CITY <b>Jackson</b>	STATE <b>MO</b>	ZIP CODE <b>63755</b>
CONTACT PERSON <b>Stan Riehn</b>		TELEPHONE NUMBER <b>(573) 243-3591</b>	

### FEES: COMPLETE SECTION I OR SECTION II

#### SECTION I. Fees: Open pit operators and those mining more than 5,000 tons of sand and/or gravel:

1. To compute the site fee complete the information below:

SITE NAME OR NUMBER (add a separate sheet for additional sites)	Mark each month that the site will be operated during the permit year	For sites operated less than six months per permit year pay \$150 For sites operated six months or more per permit year pay \$300
1. One	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 300.00
2.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
3.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
4.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
5.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
6.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
7.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
8.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
9.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
10.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
TOTAL SITE FEE		\$ 300.00

2. Acreage Fee \$5 X 9 number of acres bonded \$ 45.00

3. Annual Permit Fee \$ 500

4. Total Fee (Add totals from 1, 2 and 3) \$ 845.00

NOTE: If Total Fee exceeds \$2,500.00 then pay only \$ 2,500

#### SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:

1. Annual Permit Fee \$ 300

SIGNATURE OF APPLICANT <i>Stanley Riehn</i>	TITLE Assistant General Mgr.	DATE 1-7-04
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Appeared before me this 7th day of January, 2004,  
to me personally known, who executed the above as their free acts and deeds.

NOTARY PUBLIC EMBOSSER SEAL	STATE OF <b>Missouri</b>	COUNTY (OR CITY OF ST. LOUIS) <b>Cape Girardeau</b>
	SUBSCRIBED AND SWORN BEFORE ME, THIS <b>7th</b> DAY OF <b>January</b> YEAR <b>2004</b>	
	NOTARY PUBLIC SIGNATURE <i>R. Jane Whitener</i>	MY COMMISSION EXPIRES <b>4-18-05</b>
	NOTARY PUBLIC NAME (TYPED OR PRINTED) <b>R. Jane Whitener</b>	

FOR DEPARTMENT USE ONLY: APPROVED BY <i>[Signature]</i>	DATE APPROVED <b>1-12-2004</b>	PERMIT NUMBER <b>0183</b>	EXPIRATION DATE <b>02-15-2005</b>
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MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
SITE INFORMATION FORM

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To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER Kasten Clay Products, Inc.		PERMIT NUMBER 90-183		APR 06 1994 MISSOURI LAND RECLAMATION COMMISSION
COMPANY NAME Kasten Clay Products, Inc.				
COUNTY Cape Girardeau	1/4 SECTION SW	SECTION 012 (USS-244,529)		
TOWNSHIP 031N	RANGE 012E	ACRES 9		
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)				
MINERAL COMMODITY clay		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) n/a		

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) Kasten Clay Products, Inc.		
ADDRESS P.O. Box 468, 713 Lee Avenue		
CITY Jackson	STATE Missouri	ZIP CODE 63755
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT n/a
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) Kasten Clay Products, Inc.		
ADDRESS P.O. Box 468		
CITY Jackson	STATE Missouri	ZIP CODE 63755
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input checked="" type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT n/a
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**MINE PLAN**

P.O. BOX 176  
JEFFERSON CITY, MO 65102

TYPE OF PLAN (CHECK ONE):

- ☐ SHORT TERM, FOR ONE PERMIT YEAR  
☒ LONG TERM, FOR PERIOD THROUGH DATE: 3/15/97

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY.

This plan covers an area of approximately 9 acres. Most of the mine area lies in sloping farm land. Top soil is about 6" deep and has vegetation of grasses.

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MISSOURI LAND  
RECLAMATION COMMISSION

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

**A. TOPSOIL**

AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

6 INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

There will be 8" of topsoil and 4" of subsoil removed by scraper and stored on Company property.

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

The scraper will deposit the soil in stockpiles near the mining area. The stock piles will be shaped and seeded with grass to protect from erosion.

**B. SPOIL**

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

All overburden removed from the area mined will be placed in mined area and then will be graded to transversable slope before topsoil is replaced.

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RECLAMATION COMMISSION**C. ACID MATERIALS**

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

none

**D. PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)**

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

Will scrape clay off of the entire 9 acres to mix the clay for uniformity.  
It is shown on our map.

**YES NO**☐ ☒

Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐ ☒

Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐ ☒

Will any excavation start at or within fifty feet (50') of any property line?  
(NOTE: If the answer is "yes", a safety barrier may be needed.)

**RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.****A. REVEGETATION** (Attach additional sheets, if needed)

REVEGETATION MIX #1

PURPOSE OR LAND USE

pasture

B. SEEDING OR PLANTING TIME

spring

## DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

In the spring following top soil replacement, the seed mix will be broadcast and harrowed.

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Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
fescue & lespedezia	15:5 lbs/ac		

REVEGETATION MIX #2

PURPOSE OR LAND USE

industrial area

B. SEEDING OR PLANTING TIME

spring

## DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

In the spring the seed mix will be broadcast and harrowed to eliminate erosion until buildings can be erected. Soil will be tested and fertilizer or lime will be applied as recommended. Erosion control will be monitored regularly and soil erosion will be repaired and reseeded immediately.

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
fescue & lespedezia	15:5 lbs/ac		

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

**B. GRADING**

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

All spoil areas will be graded to slopes transversable by farm machinery.

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MISSOURI LAND  
RECLAMATION COMMISSION**C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES****GRADING**

Grading will be done as the pit advances and as spoil is placed in the mined areas. Final grading will be completed within one year.

**REPLACEMENT OF TOPSOIL**

Topsoil will be laid down within one year after area is final graded.

**REVEGETATION**

All topsoiled area will be seeded the first spring following topsoil replacement.  
All to be completed by March, 1996.

**AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)****D. USE OF LAND WHEN RECLAIMED**

Estimate acreage of each land use below, after reclamation

**ESTIMATED ACRES:**

Wildlife (forest or other habitat with livestock excluded)

Agricultural (pasture, cropland, and horticultural)

5

Development (residential, industrial, and recreational)

4

Water impoundments (for wildlife, agricultural, or development)

By my signature, I attest to the following:

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

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MISSOURI LAND  
RECLAMATION COMMISSION

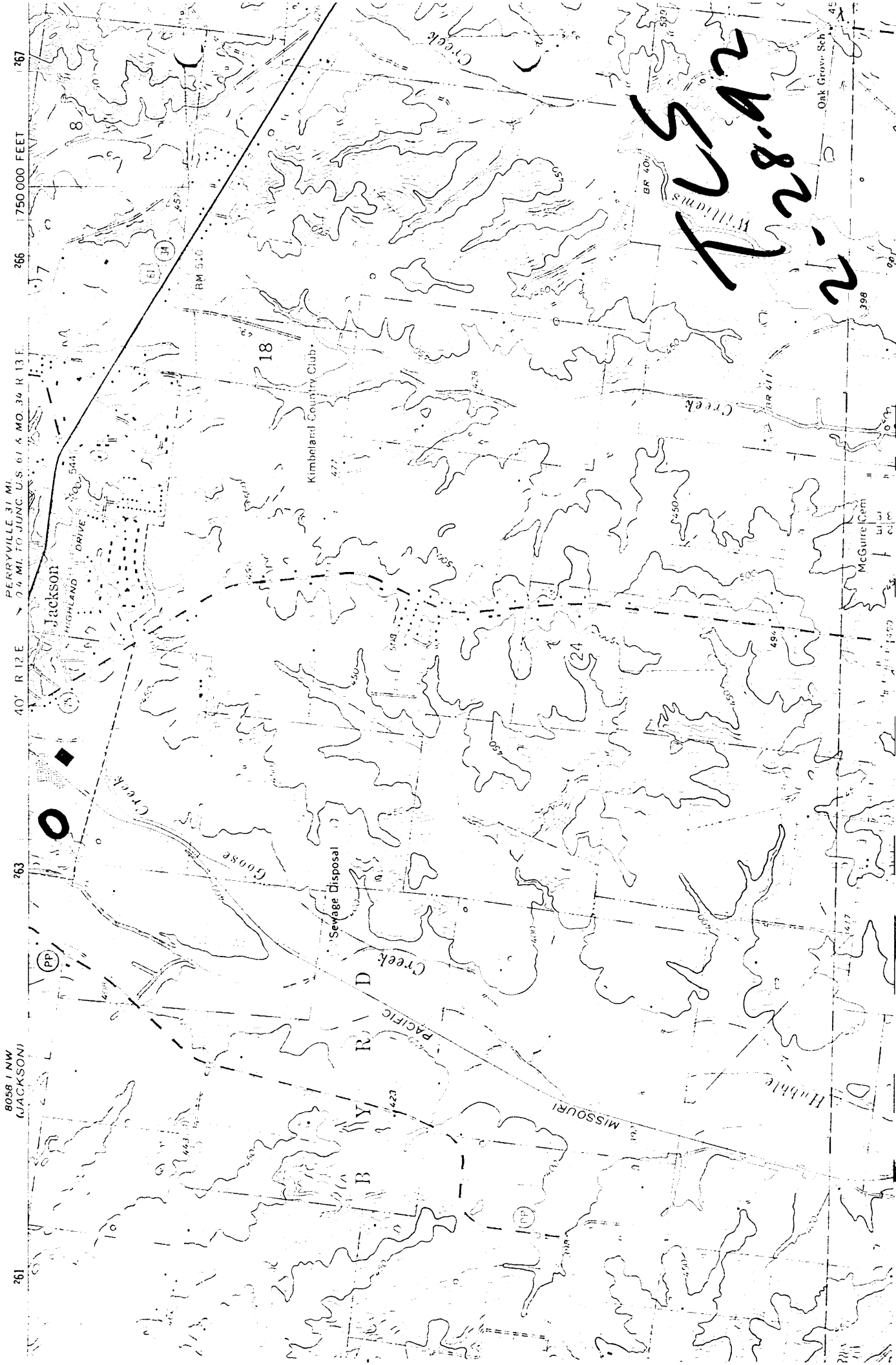
SIGNATURE OF APPLICANT <i>Stanley H. Rehn</i>		TITLE Asst. General Manager	DATE 4/4/94
NOTARY PUBLIC EMBOSSEER SEAL	STATE Missouri		COUNTY (OR CITY OF ST. LOUIS) Cape Girardeau
	SUBSCRIBED AND SWORN BEFORE ME, THIS 4th DAY OF April 19 94		USE RUBBER STAMP IN CLEAR AREA BELOW
	NOTARY PUBLIC SIGNATURE <i>R. Jane Whitener</i>	MY COMMISSION EXPIRES 4/18/97	
	NOTARY PUBLIC NAME (TYPED OR PRINTED) R. Jane Whitener		
APPROVED BY (DIRECTOR'S REPRESENTATIVE) <i>Mohean Deluli</i>		DATE APPROVED December 20, '95	PERMIT NUMBER 183



Kasten Clay Products Permit No. 183  
Cape Girardeau County;  
U.S. Survey 244 & 527  
(S-12) T-31N, R-12E

STATE OF MISSOURI  
GEOLOGICAL SURVEY AND WATER RESOURCES  
WILLIAM C. HAYES, STATE GEOLOGIST

GORDONVILLE QUADRANG  
MISSOURI—CAPE GIRARDEAU  
7.5 MINUTE SERIES (TOPOGRAF  
SW 1/4 CAPE GIRARDEAU 15' QUADRANGLE



### POINTS OF INTEREST

H-3	9. American Legion Hall
G-6	10. American Legion Baseball Field
H-4	11. Artillery, National Guard
G-5	12. City Softball Field
J-7	13. East Nursing Home
G-6	14. Jackson High Stadium
H-4	15. Jackson Mtn. Swimming Pool
K-9	16. Kimberland Country Club
H-4	17. Little League Baseball Field
F-6	18. Scales Shopping Center
K-8	19. Wal Mart Shopping Center

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MATION COMMISSION

## PUBLIC BUILDINGS

H-6	118. Cape Country Court House
H-6	119. Grade School, Catholic
G-6	120. Grade School, Lutheran
G-6	121. Grade School, Public
G-6	122. Grade School, New Public
G-6	123. Grade School, Annex Public
G-6	124. Gymnasium, High School
G-6	125. High School, Public
E-6	126. Junior High Sc., Public
G-7	127. Public Schools Administration
G-6	128. Riverside Regional Library
J-6	166. Chamber of Commerce
G-6	167. Police & Fire

## REFERENCES

- 16 32. Assembly of God
- 17 30. Apostolic Pentecostal
- 18 31. Church of Christ
- 19 32. Delivery Baptist
- 20 33. Emmanuel United Church
- 21 34. Church of God in Christ
- 22 35. First Gen. Baptist Church
- 23 36. First Baptist Church
- 24 37. Immaculate Conception
- 25 38. New McKendree Methodist
- 26 39. American Methodist
- 27 40. Presbyterian
- 28 41. St. Paul Lutheran
- 29 42. Jehovah Witnesses

## INDUSTRIES

43. Carraro Pottery Products	1-7
44. Coca-Cola Bottling Co.	1-8
45. Co-op Service Center, Inc.	1-6
46. Jackson Plastic Mfg.	1-7
47. International Shoe Co.	1-8
48. Kasten Clay Products	1-7
50. LaPierre-Savner Handle Co.	1-6
51. Lee-Powers, Inc.	1-8

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APR 11 1944  
MISSOURI LAND  
RECLAMATION COMMISSION

SEE MAP 14-31B  
SCALE 1" = 100'

SEE MAP 14-31C  
SCALE 1" = 100'

CITY

CREEK

JACKSON INDIAN  
DEV. RAILROAD

OF

501  
MT. 27A(C)

8  
17931A  
7747A(C)

242A  
26.64A(C)

7  
23A  
25.24A(C)

12